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DNA-TR-86-112  
REVISION 1

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# REFERENCE BOOK OF NUCLEAR TESTING CONTRACTORS 1945—1965

REVISION 1



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Prepared by Field Command, Defense Nuclear Agency

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<p>This book lists, chronically, DoD and DOE contractors who participated in the United States Government's nuclear testing program during the period 1945 to 1965. Contractor data, where available, include the contractor's name, division, staff or project office responsible; their address (city and state); the project number or title; and the contract number (which indicates the contractee).</p>					
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83 APR edition may be used until exhausted  
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## PREFACE

This document supersedes DNA-TR-86-112, Reference Book of Nuclear Testing Contractors, 1945-1965, dated 30 May 1986. All other editions are obsolete.

This book is the first published document to attempt compiling the multitude of DOD/DOE contractors associated with nuclear testing. Its primary thrust is to cover participating contractors of the atmospheric nuclear testing period; however, the second section deals with the transition from atmospheric to underground testing primarily within the DOD contracting community.

Contractor data, where available, are listed as follows:

- Contractor name (listed as found, e.g., may be General Dynamics Corp., Convair Division or Convair Division of General Dynamics Corp.)
- Division, staff, or project office responsible
- Address, city and state
- Project number or title
- Contract number (DAK/OCD, Army; F/AF, Air Force; AT/AEC, DOE; DNA/DASA, DNA; NO, Navy)

While the information contained in this document is accurate, it cannot be considered complete. Research will continue to uncover additional information and updates will be accomplished as necessary. It is requested that users of this material provide the author with any additional contractor information they may find or have available.

The documentation of contractor affiliation contained in this report began as a working list developed while trying to associate the responsibility for particular test participants with a specific NTPR team. Thus, with the exception of the DNA NTPR reports, the specific document where the data were found is not referenced. This book is organized in test series order; at the end of each there is a listing of documents that were researched to obtain contractor data for that series. Virtually all the referenced documents were located within the DNA Technical Services Directorate. Some, referenced in the later sections, were located in Field Command's Test Division Event Files (FCTXE). No effort has been made to associate the references with a specific contractor; if it is important for the user to do so, several or all of the documents in the reference list may have to be researched. Due to ongoing efforts to declassify atmospheric NTPR documents the classification listed here may not be correct. It does, however, indicate the classification at the time this book was published.

After the first listing of a "standard contractor"; e.g., Sandia Labs for AEC, and RAND for the Air Force, each contractor will only be listed if they were contracted to other than their normal agency or the contract can be positively identified. Where the reference material does not positively state that a contractor worked for a specific agency but does strongly imply connection, it is listed with a question mark; e.g., Operation Greenhouse, the University of New York, Rochester, AEC - ?. In several instances there is positive proof that a contractor worked for a specific agency but no contract number can be found. In these cases contractors are listed with "No contract #." Contractors

marked with a double asterisk were not necessarily participants in that test but were contracted to conduct research or write reports on test data at a later time.

Recommended input or additional data should be forwarded to Major Joe A. Stinson, FCDNA, ATTN: FCLS(Maj Stinson), Kirtland AFB, NM 87115-5000.



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REFERENCE BOOK OF NUCLEAR TESTING CONTRACTORS  
SECTION I  
ATMOSPHERIC NUCLEAR TEST CONTRACTORS

CROSSROADS

California University, Berkeley  
Institute of Engineering Research  
Navy  
Bureau of Ships contract, N0bs 47436

DTMB  
US Navy

GE Co. DASIAC \*\*  
DNA 001-79-C-0081  
DASA 01-70-C-0035  
DNA 001-75-C-0023

United Research Services, Inc.  
Burlingame, CA  
Project 3.2 & Test Plan for Operation Sailor Hat  
DA 49-146-XZ-122

References

AML-NAM-AE-540001 (S)

CALIF-U-S-17-IS-3 (S)

DTMB-C-1395 (SRD)

JTF 1.52 (U) OPERATION CROSSROADS, A COMPLETE PICTORIAL RECORD OF TASK  
UNIT 1.52 (U)

NAVY (U) OPERATION SAILOR HAT, TEST PLAN, PART 2 - AIR BLAST TESTS AT  
KAHOOLAWE

\*\*Non-participant contract

SANDSTONE

Argonne National Laboratory  
AEC \*

Boston Filter Co., Inc.  
Charleston, MA  
EG&G Job #C2116-D104-4766

GE Co. DASAC \*\*  
DNA 001-79-C-0081  
DNA 001-75-C-0023  
DASA 01-68-C-0007

JAYCOR \*\*  
DNA 001-79-C-0037

KAMAN TEMPO \*\*  
DNA 001-79-C-0274

Science Applications, Inc. \*\*  
DNA 001-77-C-0059 (McLean, VA)

Technical Operations Research  
Burlington, MA  
Army DA 49-146-XZ-279

Terra Tek, Inc. \*\*  
Salt Lake City, UT  
DNA-001-75-C-0102  
DNA-001-75-C-0294

Tracerlab  
Boston, MA  
AF W28-099 ac 405

Union Switch & Signal Co.  
Swissvale, PA  
EG&G (purchased relays only)

University of California  
AEC \*

Watson Labs  
Air Material Command  
No contract #

References

Operation Sandstone, Volume II, Sec. 5, Addenda (U)

TO-B-65-38 (SFRD)

TTI-TR-75-28 (U)

TTI-TR-76-74 (U)

\*DNA-6033F

\*\*Non-participant contract

RANGER

GE Co. DASIAC \*\*

DNA 001-75-C-0023

DNA 001-79-C-0081

JAYCOR \*\*

DNA 001-79-C-0037

JRB \*\*

DNA 001-79-C-0473

RAND Corp.

Report R-265, AEC



### References

RAND-L-5312 (SRD)

WT-206 (SRD)

\*\*Non-participant contract

GREENHOUSE

Amman & Whitney

New York

Army DA 49-129-Eng-120

Corps of Engineers

W49-129-Eng-148

Armour Research Foundation of Illinois Institute of Technology

Project 3.3

AF 33(038)9761 (Air Material Command)

Battelle Columbus Labs

Columbus, OH

Advanced Research Projects Agency (ARPA)

DA AH-01-73-C-0870

Bendix-Friez Corp

Baltimore, MD

Project 4.2

Air Force Cambridge Research Center

GE Co. DASIAC \*\*

DNA 001-79-C-0081

DNA 001-75-C-0023

DASA 01-68-C-0007

Howard T. Fisher & Associates

Chicago, IL

Subcontracted by ARF

AF 33(038)9761

JAYCOR \*\*

DNA 001-79-C-0037

John Hopkins University

Applied Physics Lab

Silver Springs, MD

AFSWP (Contract between AFSWP & APL via Navy Bureau of ORD.)

KAMAN Sciences Corp. \*\*

DASA 01-69-C-0082

KAMAN Tempo \*\*

DNA 001-79-C-0472

KAYMAN Avidyne \*\*

DNA 001-81-C-0095

MIT

Project MX 1452

AF 33(038)8906

Annex 3.1, Appendix 12 Army Structures Test

DA 49-129-ENG-47

Pennsylvania State University  
University Park  
Army DA 49-146-XZ-033

Radiation Physics Lab  
NBS, Washington, DC

Rand Corp.  
AEC AT(11-1)-135  
Report R-265 AEC

Sciences Applications, Inc. \*\*  
DNA 001-77-C-0059 (McLean, VA)

Stanford Research Institute  
Menlo Park, CA  
HQ USAF F33657-70-C-0090

Technical Operations Research  
Burlington, MA  
Army DA-49-146-XZ-279

University of California at Berkeley  
Radiation Lab  
AEC Annex 1.8

University of New York, Rochester  
AEC - ?

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AMMAN-WHITNEY (U) DESIGN OF STRUCTURES TO RESIST ATOMIC TESTS, VOL 1 (U)  
DASA-1390 (SFRD)  
MIT-DOC-31 (CFRD)  
RAND-L-5312 (SRD)  
SRI-8133-FTR (SFRD)  
TG-129 (SRD)  
WT-118 (U)  
WT-119 (U)  
WT-80 (SRD)  
WT-81 (U)  
WT-85 (U)  
WT-9 (CFRD)  
WT-95 (U)  
W4599-JDR (S)  
\*\*Non-participant contract

BUSTER JANGLE

Armour Research Foundation  
Illinois Institute of Technology  
Chicago, IL  
Project 1080  
AF 33(616)-2534  
Project 3.3  
AF 33(038)-20054

GE Co. DASIAC \*\*  
DNA 001-79-C-0081  
DNA 001-75-C-0023  
DASA 01-68-C-0007

Information Sciences \*\*  
DNA 001-78-C-0179

JAYCOR \*\*  
DNA 001-79-C-0037

JRB \*\*  
DNA 001-79-C-0473

KAMAN Sciences Corp. \*\*  
DASA 01-69-C-0082

Mission Research Corp. \*\*  
DNA 001-72-C-0114

M.I.T.  
Project 3.2  
Office, Chief of Engineers

Ohio River Division Laboratories  
Mariemont, OH  
Project 1.6  
No Contract #, OCE

Pennsylvania State University  
University Park  
Army DA 49-146-XZ-033

Rand Corp.  
AEC AT(11-1)-135  
Report R-265 AEC

Science Applications Inc. \*\*  
DNA 001-75-C-0188 (La Jolla, CA)  
DNA 001-77-C-0059 (McLean, VA)

Stanford Research Institute (SRI)  
Menlo Park, CA  
HQ USAF F33657-70-C-0090  
Project 1(9)a  
N7 onR -32104 (Naval Research)

References

DASA-1390 (SFRD)  
RAND-L-5312 (SRD)  
SRI-8133-FTR (SFRD)  
AFSWC-TR-59-3-V-1 (C)  
WT-380 (U)  
WT-405 (U)  
\*DNA 3023F  
\*\*Non-participant contract

TUMBLER SNAPPER

Armour Research Foundation (ARF)  
AF 33(616)3218

Bendix Corp/Bendix Aviation  
Aviation Pacific Division Development Laboratories  
Burbank, CA  
AF 19(122)459, Project 1.1

David Taylor Model Basin (DTMB)  
Navy Department

GE Co. DASIAC \*\*  
DNA 001-79-C-0081  
DNA 001-75-C-0023  
DASA 01-68-C-0007

Gibbon & Reed - AF, Nellis AFB

IITRI  
AF 33(616)3218

JAYCOR \*\*  
DNA 001-79-C-0037

JRB \*\*  
DNA 001-79-C-0473

KAMAN Sciences Corp. \*\*  
DASA 01-69-C-0082

Mission Research Corp. \*\*  
DNA 001-72-C-114

Parsons (Ralph M) Co.  
Los Angeles, CA  
AF 29(601)6277

Physics International Co. \*\*  
San Leandro, CA  
DNA 001-74-C-0107

Radiation Research Associates  
Ft Worth, TX  
F08606-77-C-0008 (AFTAC)  
AF Technical Applications Center, Patrick AFB

Rand Corp.  
R-251-AEC  
AF 33(038)6413  
AEC AT(11-1)-135 ]Joint Sponsorship  
AF overpressure study  
Report R-265 AEC

Science Applications Inc. \*\*  
DNA 001-77-C-0059 (McLean, VA)

S-Cubed \*\*  
DNA 001-80-C-0102

Stanford Research Institute  
Menlo Park, CA  
HQ USAF F33657-70-C-0090

Stanford Research Institute  
Stanford, CA  
Project 1.7 and 1.2  
AF F33657-70-C-0090 (AFWL)

Technical Information Service (TIS)  
AEC

Technical Operations Research  
Burlington, MA  
Army DA-49-146-XZ-279

Terrestrial Service Lab  
Geophysics Research Directorate  
AF Cambridge Research Center  
Cambridge, MA  
Project 1.1  
AF no contract #

Tracer Lab Inc.  
Boston, MA  
AF 33(038)14115



## References

AFSWP-1009 (U)  
AFWL-TR-65-67 (U)  
ARF-D092-IR-1 (SFRD)  
DLM-21 (U)  
NYO-4512 (SRD)  
RAND-L-5312 (SRD)  
RAND-R-251-AEC (SRD)  
RAND-RM-1061 (SRD)  
RRA-T7702-V-4 (SRD)  
SRI-8133-FTR (SFRD)  
TRACERLAB (SRD) STUDIES OF THE TUMBLER-SNAPPER DETONATIONS (U)  
WT-508 (U)  
WT-511 (U)  
WT-512 (U)  
WT-517 (U)  
\*\*Non-participant contract

IVY

Aerocham Research Labs, Inc.  
Princeton, NJ  
F 30602-70-C-0012  
Rome Air Development Center (RADC)  
AF Systems Command, Griffis AFB, NY

Aeronautical Ice Research Lab  
Ypsilanti, MI  
Project 6.10  
WADC\*

Allied Research Associates, Inc.  
Boston, MA  
AF 33(616)-34  
AF 33(038)14381  
Project 6.10  
AF WADC\*

Avco Everett Research Lab, Inc.  
A Division of AVCO Corp..  
Everett, MA  
F04701-70-C-0151  
AF Systems Command

Bendix Aviation Corp.  
Pacific Division  
North Hollywood, CA  
(Burbank, CA)  
AF 19(122)-459  
Project 6.11  
AFCRC\*

Boeing Airplane Co.  
Seattle, WA  
Air Force\*

Cambridge Corp..  
A.D. Little Subsidiary  
Boulder, CO  
AEC\*

Consolidated Vultec Air Corp..  
San Diego, CA  
AF\*

Evans Signal Lab  
Project 9.3  
No Contract #, US Army

GE Co.

Space Sciences Lab  
King of Purssia, PA  
F30602-74-C-0049

GE Co. DASIAC \*\*

DNA 001-79-C-0081  
DNA 001-75-C-0023  
DASA 01-68-C-0007

Glen L. Martin Co.

Baltimore, MD  
Project 6.11  
AFCRC\*

Herrick L. Johnson, Inc.

Columbus, OH  
AEC\*

Holter Research Foundation

Helena, MT  
Project 6\*

Institute for Defense Analysis

Science of Technology Division  
Arlington, VA  
ARPA Assignment 25  
DA HC 15-73-C-0200

JAYCOR \*\*

DNA 001-79-C-0037

KAMAN Sciences Corp. \*\*

DASA 01-69-C-0082

KAMAN Tempo \*\*

DNA 001-79-C-0472

KAYMAN Avidyne \*\*

DNA 001-81-C-0095

Lockheed Missile & Space Co.

Palo Alto, CA  
F30602-71-C-0013  
F30602-71-C-0029

Mission Research Corp. \*\*

DNA 001-81-C-0151

MIT

Office of the Chief of Engineers  
Dept of the Army  
Project 6.10  
WADC\*

Pennsylvania State University  
University Park  
DA 49-146-XZ-033

Princeton University  
Princeton, NJ  
AEC LASL

RAND Corp.  
AF 49(638)-700  
AEC AT (11-1)-135  
Report R-265  
AEC

R & D Associates \*\*  
DNA 001-80-C-0069

University of California  
No Contract #, WADC

University of Washington  
Applied Fisheries Lab  
Project 11.5\*

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AERL-RN-855 (SRD)  
AERL-72-1527-V-1 (SRD)  
AEROCHEM-TP-257 (S)  
ARA-125 (SRD)  
DASA-1390 (SFRD)  
IDA-P-1001 (SRD)  
LMSC-B290075 (SRD)  
MRC-SD-R-103 (U)  
PM-B-37 (SRD)  
POR-1327 (SFRD)  
RADC-TR-75-235 (SRD)  
RAND-L-5312 (SRD)  
RDA-TR-113202-002 (U)  
WT-641 (U)  
WT-648 (SRD)

\*Reference: DNA Report 6036F \*\*Non-participant contract

UPSHOT KNOTHOLE

Aerospace Corp.

El Segundo, CA  
F 04701-74-C-0075  
AF Systems Command

Allied Research Associates (ARA), Inc.  
Boston, MA

Allied Research Associates Inc.  
Concord, MA  
AF 29(601)6030

Armour Research Foundation (ARF)  
AFSWC  
AF 33(616)2534, Project 1080  
AF 33(616)3218  
AF 33(616)-34  
AF 33(038)30029, Project 3.6  
AF 29(601)454, Projects 3.7 and 3.8

California Research & Technology, Inc. \*\*  
Woodland Hills, CA  
DNA 001-80-C-0018  
DNA 001-78-C-0178

GE Co. DASIAC \*\*  
DNA 001-79-C-0081  
DNA 001-75-C-0023  
DASA 01-68-C-0007

Illinois Institute of Technology  
Chicago, IL  
Armour Research Foundation (See Above)

Information Science, Inc. (ISI) \*\*  
Santa Barbara, CA  
DNA 001-78-C-0179

Information Sciences \*\*  
DNA 001-73-C-0060  
DNA 001-78-C-0179

JAYCOR \*\*

DNA 001-79-C-0037

JRB \*\*

DNA 001-79-C-0473

JRB, Kaman Sciences \*\*

Colorado Springs, CO

Science Applications

McLean, VA

DNA

KAMAN Avidyne

Director of Kaman Sciences

Burlington, MA

DAAK 11-78-C-0097

BRL, USA Armament R&D Command

KAMAN Sciences Corp. \*\*

DASA 01-69-C-0082

Kaman Tempo \*\*

Bel Air

DNA 001-79-C-0081

Kaman Tempo

Santa Barbara, CA

BRL/DRDAR-BLV

DAAK-11-77-C-0110

Lockheed Aircraft Corp. (LAC), Missiles & Space Division (LMSC)

Sunnyvale, CA

DA-49-146-XZ-046

Mission Research Corp.

F29601-79-C-0035

AF Weapons Lab, AF Systems Command

DNA 001-81-C-0162

Mission Research Corp. (MRC)

1400 San Mateo Blvd ABQ- AFWL/NTYET

Albuquerque, NM

F29601-79-C-0035

MIT

DA 49-129-Eng-158 (Response Prediction)

AF 33(600)28023 (Collapse Damage)

Penn State University  
University Park  
DA 49-146-XZ-033

Physics International Co. \*\*  
San Leandro, CA  
DNA 001-74-C-0107

Rand Corp..  
AEC AT(11-1)-135

Rochester NY University  
AEC Project 29.4

Science Applications \*\*  
DNA 001-82-C-0012  
DNA 001-80-C-0052  
DNA 001-77-C-0059

SRI  
Project 1.1b  
AEC

Technical Operations Research (TOR)  
Burlington, MA  
Army DA 49-146-XZ-279

Terrestrial Sciences Laboratory  
AFCRC

United Research Services, Inc.  
Burlingame, CA  
Sub Task 3312B  
OCD-PS-64-19  
Office of Civil Defense  
Office of the Secretary of the Army

Vitro Corporation of America  
New York, NY  
Project 6.2  
AF 33(600)-9045  
Project 24.3  
AEC letter contract  
AT (29-2)-163, Nov 19, 1952 revised Feb 9, 1953, formalized Jun 28, 1953  
Subcontracted Consolidated Engineering Corp. & Wiamko Engineering Co; US Rubber Co.; Graybar Electric Co., Inc.; Baldwin-Lima Hamilton Corp.



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AFSWP-1040 (U)  
AFSWP-114 (U)  
AFWL-TDR-64-16 (SFRD)  
AMRC-R-303 (SRD)  
ARF-D092-IR-r-P-1 (U)  
AS-TOR-0075(5409-01)-20 (S)  
CRT-3370 (U)  
DASA-1390 (SFRD)  
DASIAC-SR-168 (U)  
ISI-RM73-ISI102-P-2 (U)  
KA-TR-178 (U)  
KLX-1659 (SRD)  
LMSC-B006060 (SRD)  
MRC-R-657 (U)  
TO-B65-38 (SFRD)  
URS-639-4 (U)  
WT-711 (CFRD)  
WT-715 (U)  
WT-741 (U)  
WT-814 (U)  
\*\*Non-participant contract

CASTLE

Allied Research Associates  
Project 1350  
AF 33(616)-34  
Projects 6.2a & 6.2b  
Air Force\* -?

American Car & Foundry (ACF)  
Albuquerque, NM  
TU4-LASL  
AEC\*

Applied Fisheries Laboratories  
University of Washington\*

Cambridge Corp.  
Denver, CO  
TU 131 & TU3  
AEC\*

Cook Electric Co.  
Cook Research Labs  
Skokie, IL  
Project 6.2b  
WADC

Cook Research Laboratories  
Chicago, IL  
Project 6.2b  
Air Force\* -?

GE Co. DASAC \*\*  
DNA 001-79-C-0081  
DNA 001-75-C-0023  
DASA 01-68-C-0007

Geophysical Institute  
University of Alaska  
Project 8200  
AF 49(638)-1100

Herrick L. Johnson, Inc.  
Columbus, OH  
TU2-AEC\*

JAYCOR \*\*  
DNA 001-79-C-0037

Kaman Sciences Corp. \*\*  
DASA 01-69-C-0082

Kaman Tempo \*\*  
DNA 001-79-C-0472

KAYMAN Avidyne \*\*  
DNA 001-81-C-0095

Laboratory for Electronic, Inc.  
TRACER Lab Division  
Richmond, CA  
DA 49-146-XZ-484

NBS  
for AF office of Atomic Energy

Pennsylvania State University  
University Park  
Army DA 49-146-XZ-033

RAND Corp. (Normally AF, "The AF Project RAND")  
DA 49-146-XZ-157 (Cloud Behavior)  
AF 49(638)-700 (Sealing Craters)  
AEC AT(11-1)-135 (Debris transport & early deposition)

Raydist Navigation Corp.  
Norfolk, VA  
Project 6.1 - AF\* -?

Scripps Institution of Oceanography  
La Jolla, CA  
Projects 1.6, 2.7, & 2.7a  
US Navy NOAR 233-35

Stanford Research Institute  
Stanford, CA  
Project 3.1  
Project 3.2  
AFSWP ?

Texas Instruments  
Dallas, TX  
TG 7.1\*

URS Research Co. \*\*  
San Mateo, CA  
DASA 01-70-C-0001

## References

AFSWP-1050 (SFRD)  
AFSWP-1106-DRAFT (SFRD)  
ARA-236 (SRD)  
DASA-1390 (SFRD)  
RAND-R265 (SRD)  
NBS-30121 (SRD)  
RAND-RM-3788-DASA (SFRD)  
RAND-RM-4308-PR (SFRD)  
UAG-R153 (U)  
URS-788-5 (U)  
WT-919 (U)  
WT-920 (U)  
WT-920 (CFRD)  
WT-920-EX (U)  
WT-926 (U)  
\*Reference: DNA Report 6035F  
\*\*Non-participant contract

TEAPOT

AAEC Australian AEC

AF Cambridge Research Center  
Cambridge, MA  
Project 9.4

Aircraft Armaments Inc. (AAI)  
Cokeysville, MD

American Gas Association, Inc.  
Project 35.4b  
FCDA-AEC

Armour Research Foundation  
AFSWC  
Project 1080  
AF 33(616)-2534  
Project 3.7  
AF 29(601)454

Boeing Co.  
Seattle, WA  
AFWL AF 29(01)-6009

Cook Research Labs  
Project 5.2  
WADC AF 33(616)2393

Dayton University  
Project 5.5a  
WADC, no Contract #

Denver University  
Denver Research Institute  
Electronics Division  
Project 6.9  
AF 33(600)-41865

Edison Electric  
Project 35.1  
FCDA

General Electric Co. - TEMPO \*\*  
DNA 001-79-C-0455

General Electric Co. \*\*  
DASIAC  
Santa Barbara, CA  
DNA 001-79-C-0081  
DNA 001-75-C-0023

Illinois Institute of Technology  
Chicago, IL  
Armour Research Foundation  
AFSWC  
Project 3.2  
AF 33(616)2666  
AF 33(616)2534

Illinois University  
Urbana, IL  
Project 3.7  
AF 33(616)170 & Supplemental Agreement S-10 (55-704)

Information Sciences, Inc. \*\*  
Santa Barbara, CA  
DNA 001-74-C-0110

JAYCOR \*\*  
DNA 001-79-C-0037

JRB Associates \*\*  
DNA 001-79-C-0473

KAMAN Avidyne \*\*  
DNA 001-79-C-0095

KAMAN Sciences Corp. \*\*  
Sub Task NA008-07  
DASA 01-69-C-0082

KAMAN Tempo \*\*  
DNA 001-79-C-0081

Liquefied Petroleum Gas Association  
Project 35.4a  
FCDA

Lovelace  
Project 33.1 AEC  
Project 33.4

Massachusetts Institute of Technology  
Cambridge, MA  
WADC AF 33(616)3259  
Director of Intelligence USAF 33(600)28023  
DA 49-146-XZ-025

National Bureau of Standards  
Boulder, CO  
Project T/620/E/NBS  
Air Force, Office of Atomic Energy

National Records Management Council, Inc.  
Project 35.5  
FCDA

Pennsylvania State University  
Army DA 49-146-XZ-033

Plesset (E.H.) Associates, Inc. \*\*  
Los Angeles, CA  
DASA

Radiation Inc.  
Orlando, FL  
Project 5.1  
WADC AF 33(600)-19270

Radio Electronics Television Manufacturing Association  
Project 35.2  
FCDA

RAND Corp.  
Santa Monica, CA  
USAF Project RAND

Safe Manufacturing National Association  
Project 35.5  
FCDA

Science Applications, Inc. \*\*  
DNA 001-80-C-0052  
DNA 001-79-C-0059

S-Cubed \*\*  
DNA 001-80-C-0102

Sperry Gyroscope Co.  
Great Neck, NY  
AF 19(604)-1429

Stanford Research Institute  
Menlo Park, CA  
Project 1.12  
DASA -?

Technical Operations Research  
Burlington, MA  
Army DA 49-146-XZ-279

Ultrasonic Corp..  
Cambridge, MA  
Prime Contract for the Convair Division of General Dynamics Corp.  
DA 49-146-XZ-106 (Report reissued by Air Technology Corp.,  
Cambridge, MA)  
AF 33(038)21250

United Research Services  
Burlingame, CA  
OCD-PS-64-19

## References

AAI-ER-3299 (C)  
AEC (U) PROJECT SUMMARIES OF CIVIL EFFECTS TESTS (U)  
AFSWC-TR-59-3-V-1 (C)  
AFSWP-1040 (U)  
AFWL-TDR-64-51 (SRD)  
ARF-M053-M4 (SRD)  
BOEING-D2-90573 (SRD)  
DASA-1195 (SFRD)  
DASA-1390 (SFRD)  
DASIAC-SR-148-V-2 (CFRD)  
DASIAC-SR-176-1 (C)  
BRDL-TR-1468-TR-EX (U)  
ISI-RM-74-ISI-101 (U)  
JAYCOR-2126-4-1 (U)  
JRB-2-816-03-423-00 (U)  
K-73-534-R-V-2-P-2 (SRD)  
KA-TR-200 (CFRD)  
KT-SR-176-1-V-1 (CFRD)  
NBS-3C121 (SRD)  
PLESS-55508 (SRD)  
POR-2234 (SRD)  
POR-2286 (U)  
RAND-RM-2121 (SRD)  
S-CUBED 81-4726 (U)  
SAI-81-216-WA (U)  
ULC-264E002 (SRD)  
URS-639-4 (U)  
WADC-TR-57-282 (CFRD)  
WT-1124 (U)  
WT-1129 (U)  
WT-1135 (U)  
WT-1152 (U)  
WT-1176 (U)  
WT-1179 (U)

\*\*Non-participant contract



WIGWAM

Armour Research Foundation of Illinois Institute  
of Technology  
Chicago, IL  
Project 4.4  
AEC AT(29-2)-302

California University  
Marine Physical Lab  
San Diego, CA  
AFSWP - ?

David M. Taylor Model Basin \*\*  
Carderock, MD  
Dept of the Navy & DNA/DASA  
(DASA WEB TASK 14.024)

General Electric Co. \*\*  
DNA 001-79-C-0081  
DNA 001-70-C-0035

JAYCOR \*\*  
DNA 001-78-C-0311

National Marine Consultants  
Interstate Electronics Corp.  
Anaheim, CA  
Navy Nonr 3678(00)

Scripps Institution of Oceanography  
La Jolla, CA  
Project 2.8 for Cmdr Task Group 7.3

Washington University  
ASTOR Joint Coordinating Committee (AJCC) - Navy

1352d Motion Picture Squadron  
Lookout Mountain Laboratory  
Los Angeles, CA  
Program VI  
USAF

### References

APL-UW-TE-58-42-2-ED (SRD)  
DTMB-C-1395 (SRD)  
DTMB-C-2188-P-2-CH-6 (CFRD)  
DTMB-C-789 (C)  
ITR-1082 (U)  
NMC-ONR-62-P-6 (U)  
WT-1003 (SRD)  
WT-1018 (U)  
WT-1034 (U)  
WT-1037 (U)

\*\*Non-participant contract

REDWING

ACF Industries

Albuquerque, NM

TU1 of TG 7.1

Probably working for LASL or UCRL\*

Advance Industries, Inc.

(Formerly Ultrasonic Corp.)

Cambridge, MA

Project 6.4, TG 7.1

AF Cambridge Research Center (AFCRC)\*

Purchase Order 221 from Convair Division

General Dynamics Corp.

AF 33(038)-21250

Allied Research Associates, Inc.

Boston, MA

Projects 5.5 & 5.9, TG 7.1

AF Wright Air Development Center\*

Project 1350

AF 33(616)3155

AF 33(616)411

Benson Lehner Corp

Project 5.4

No Contract #, WADC

Boeing Aircraft

Wichita, KS

Projects 5.1 & 5.2, TG 7.1

WADC\*

Boeing Co. Seattle

AF?

Boeing Military Airplane Co. \*\*

Wichita, KS

DNA 001-76-C-0379

Cook Electric Co

Cook Research Labs

Morton Grove, IL

AF 33(616)2904

AF 33(616)2991

Cook Research Laboratories

Chicago, IL

Projects 5.1, 5.5

No Contract #, WADC

Project 8.4

BUAER NOA(S)56-367C (Navy)

Cooper Development  
Project 2.61  
Naval Radiological Defense Labs (NRDL)\*

Dayton University Research Institute  
AF 33(616)5054  
AF 33(616)7017

Denver University  
Denver Research Institute  
AF 33(600)41865

Douglas Aircraft Co.  
Long Beach & El Segundo, CA  
Projects 5.3  
No Contract #, WADC  
Project 5.8  
BuAer Contract NOas 55-867C  
& BuAer letter Aer-CT422, 09366

Douglas Aircraft Co.  
Santa Monica, CA  
Project 1350  
AF 33(600)25669

GE Co. DASIAC \*\*  
DNA 001-79-C-0081  
DNA 001-75-C-0023  
DASA 01-68-C-0007  
DASA 01-70-C-0035

Hazeltine Corp..  
TG 7.4  
AF\*

Herrick L. Johnson  
Columbus, OH  
AEC\*

JAYCOR \*\*  
DNA 001-79-C-0037

KAMAN Sciences Corp. \*\*  
DASA 01-69-C-0082

KAMAN TEMPO \*\*  
DNA 001-79-C-0472

KAYMAN Avidyne \*\*  
DNA 001-81-C-0095

Laboratory for Electronic, Inc.  
Tracerlab Division  
Richmond, CA  
DA 49-146-XZ-484

Lamont Geological Observatory  
Palisades, CA  
AF 29(601)288

Lockheed Aircraft Corp.  
Missile & Space Division  
Sunnyvale, CA  
DA 49-146-XZ-046

Martin Aircraft Co.  
Baltimore, MD  
Project 5.4  
WADC\*  
Project 1350  
AF 33(038)22617

McDonnell Aircraft Corp..  
St. Louis, MO  
AF 33(600)26859  
Project 5.6  
No Contract #, WADC

Mission Research Corp. \*\*  
F29601-79-C-0035  
AF Weapons Laboratory, AF Systems Command  
DNA 001-81-C-0162

MIT  
Dept. of Civil & Sanitary Engineering  
Project 3.1  
DA 49-146-XZ-025

Pennsylvania State University  
University Park  
Army DA 49-146-XZ-033

Pratt & Whitney  
TG 7.4  
AF\*

Radiation Inc.  
Project 5.4  
No Contract #, WADC

Reeves Corp  
Project 5.4  
No Contract #, WADC

RAMO-Wooldridge Corp.  
Los Angeles, CA for Western Development Division  
HQ ARDC, USAF

RAND Corp.  
AF 49(638)-700  
AEC AT(11-1)-135

Raydist Navigation Corp  
Project 5.4  
No Contract #, WADC

Science Applications, Inc. \*\*  
DNA 001-77-C-0059 (McLean, VA)

Sperry Gyroscope Co.  
Great Neck, NY  
AF 19(604)1549  
Project 6.1b  
AFCRC\*

Stanford Research Institute  
Menlo Park, CA  
F 33657-70-C-0090  
DA 49-146-XZ-555 (EMP DATA)  
AF 19(604)2283

Technical Operations Research (AKA Technical Operations, Inc.)  
Burlington, MA  
DA 49-146-XZ-279

United Aircraft Service Corp..  
TU3, TG 7.1  
WADC/Wright Patterson AFB\*

University of California  
AEC\* &  
WADC

University of Dayton & University of Dayton Research Institute  
Projects 5.5 & 5.9  
WADC\*

University of Illinois  
Project 3.1  
WADC\*

University of Washington  
Applied Fisheries Lab  
AEC\*

Western Electric  
AEC\*

Wright Aeronautical Corp  
Project 5.4  
No Contract #, WADC

## References

AMRC-R-303 (SRD)  
ASD-TR-61-60-S-1 (SFRD)  
AWRE-O-20-62 (SRD)  
BOEING-D2-90573 (SRD)  
BOEING-D3-11880-1-V-2 (U)  
DASA 1390 (SFRD)  
LGO (SRD) RADIOLOGICAL HAZARDS FROM CONTAMINATED AIRCRAFT (U)  
LMSC-B006060 (SRD)  
MRC-R-657 (U)  
POR-1327 (SFRD)  
POR-1329 (SFRD)  
POR-1330 (SFRD)  
POR 1332 (SFRD)  
POR-1334 (SFRD)  
POR-1341 (SFRD)  
POR-2234 (SRD)  
RW-GM-42-185 (S)  
SPERRY-5223-1404-2 (SRD)  
SRI-2243 (SRD)  
SRI-6124-FRP-1 (SRD)  
SRI-8133-FTR (SFRD)  
TUW-TB-66-113 (SRD)  
WADC-TN-56-446-V-1 (S)  
WADC-TN-56-500-V-3 (SFRD)  
WADC-TN-56-501-P-1 (SFRD)  
WADC-TR-57-733 (SFRD)  
WADD-TN-60-55 (SFRD)  
WT-1351 (SRD)  
WT-1352 (SRD)  
\*Reference: DNA Report 6037F  
\*\*Non-participant contract

PLUMBBOB

ARDC Air Research Development Cmd AF

ARA Allied Research Associates AF

American Machine & Foundry  
Project 1080 Task 10802  
AF 33(616)2522  
Projects 3.6 and 1.2  
NORD-17476 (Naval Ord Lab)

AMF Contracted by AF Special Weapons Center, ARDC, Kirtland  
AMF Mechanics Research Division  
1104 S. Wabash Avenue  
Chicago, IL  
AF 33-(616)2522

Ammann & Whitney, Consulting Engineers for Office of Civil & Defense  
Mobilization (formerly FCDA)  
Office of the Secretary of the Army  
Department of the Army  
Washington, DC 20310

A&W Amman & Whitney FCDA

Armour Research Foundation (ARF)  
Project 3.4  
AF 29(601)-454  
Also included UPSHOT KNOTHOLE 3.7 & 3.8, & TEAPOT 3.7

AEP Atomic Energy Project AEC (UCLA)

Bell Telephone Laboratories  
Whippany, NJ  
DA 30-069-ORD-1082

BRC - Broadview Research Corp.  
DA 49-146-XZ-050

CRT - California Research & Technology, Inc. \*\*  
DNA-001-80-C-0018

DASIAC Operated by General Electric - Tempo \*\*  
220 South Main Street  
Bel Air, MD 21014  
DNA 79-C-0081

DBM Division of Biologocial Medicine AEC



DCRL - Defense Research Chemical Labs  
Ottawa

DOFL - Diamond ORD. Fuze Labs - Army \*\*

Douglas Aircraft, AF and  
Subcontracted by BTL under  
DA 30-069-ORD-1062

DRD Division of Reactor Development  
AEC

GE, Military Communications Dep (MCD)  
Oklahoma City, OK for DOD, Office of Civil Defense (OCD)

Harvard University Air Cleaning Laboratory  
(Division of Reactor Development)  
Boston, MA  
AEC - no contract

HASL Health & Safety Laboratories  
DBM(AEC)

IITRI Ill Institute of Technology \*\*  
Research Institute  
Chicago, IL  
DASA DA-49-146-XZ-097

Lamont Geological Observatory  
Palisades  
AF 29(601)288

Lovelace for Civil Effects Test Group

LF Lovelace Foundation  
DBM(AEC)

MITRE Corp., Bedford  
AF 33(600)39802

MRD Mechanics Research Division  
AMF

NBS, Plumbbob Waveforms & Spectra for Office for Atomic Energy DES/O  
Dept of the AF

Northrop Aircraft, Inc.  
AF 33(600)30204 for Aircraft Laboratory  
WADC(Project 5.5, F-89 tests)  
AF 33(600)30205

PA State University  
DA-49-146-XZ-033

RATHEON Manufacturing Co.  
Waltham  
AF 19(604)2148

Robert A. Taft Sanitary Engineering Center  
Cincinnati, OH  
AF 29(601)56-1836

Rochester University, NY  
AEC & AF

SAM School of Aviation Medicine  
AF

SAM - School of Aviation Medicine  
Brooks & Randolph AFB

Sikorsky Aircraft Division, United Aircraft Corporation  
Stratford, CT  
Project 5.1 for Bureau of Aeronautics, Dept of Navy, HSS-1  
helicopter tests; Naval Air Special Weapons Facility,

Space Technology Laboratories, Inc. (STL)  
Los Angeles, CA  
AEC ?

SRI - Stanford Research Institute \*\*  
DASA

SCP Structural Clay Products Research Foundation  
FCDA

URI Universal Research Institute  
AF

University of Rochester  
Project 4.1 for DOD/AFSWP

WADC contracted Northrop Aircraft, Inc.  
Hawthorn, CA  
AF 33(600)30204

## References

AEC (SRD) OPERATION PLUMBBOB, REPORT OF THE TEST MANAGER (U)  
AEC (U) CONTINENTAL ATOMIC TESTS, BACKGROUND INFORMATION FOR OBSERVERS,  
SUMMER 1957 (U)  
AEC (C) OPERATION PLUMBBOB (U)  
AF-SWC-7S-46890 (S)  
AFSWC (U) 4950TH TEST GROUP (N) FINAL REPORT, OPERATION PLUMBBOB, EXTR  
ACTED VERSION (U)  
AFSWC-OP-1-57 (C)  
AFSWC-TN-59-1 (U)  
AFSWC-TR-59-2-P-2 (S)  
BOEING-D2-90573 (SRD)  
CETG (U) OPERATION PLUMBBOB, CIVIL EFFECTS TEST GROUP PROJECT SUMMARIES,  
1957 (U)  
DESERT-ROCK (U) EXERCISE DESERT ROCK STAFF MEMORANDUMS (U)  
DESERT-ROCK (U) EXERCISE DESERT ROCK LETTER ORDERS (U)  
DESERT-ROCK-7-MO-1-3 (U)  
DESERT-ROCK-7-OC01 (U)  
DESERT-ROCK-7-00-2 (U)  
DESERT-ROCK-7-8 (U)  
DRCL-393 (U)  
GE-SE-SR-565-24 (SRD)  
MM-58-6614-2 (SRD)  
NBS-30B103 (SRD)  
POR-2512 (U)  
RAND-WN-9899-AF (SRD)  
WADC-TN-57-312 (SFRD)  
SM-27508 (SRD)  
WT-1430 (U)  
WT-1449 (U)  
WT-1467 (U)  
WT-1475 (U)  
STL-TN-60-0000-09013 (SRD)  
\*\*Non-participant contract

HARDTACK

ACF Industries, Inc.  
Riverdale, MD  
Navy NONR 2455(00)

ACF Industries, Inc.  
Riverdale, MD  
For Office of Naval Research  
NONR-2455(00)

Aerojet-General Corp., (of General Tire)  
Azusa, CA  
for Office of Naval Research  
NONR 4146(00)

Aeronutronic Systems, Inc. (ASI)  
a subsidiary of Ford Motor Co.  
1234 Airway  
Glendale, CA  
Project 5776-57802  
AF 29(601)1199  
Project 4778  
AF 29(601)2537  
Project 5776  
AF 29(601)455

Allied Research Association, Inc.  
Boston, MA  
AF 29(601)-1946  
Project 8.6  
AF 33(616)5429

American Science & Engineering, Inc.  
Cambridge, MA  
AF 29(601)1843  
Projects 8.2 & 8.3  
AFCRC

Applied Physics Laboratory  
University of Washington  
Seattle, WA  
Navy for Astor Joint Coord Committee (AJCC)

Armour Research Foundation of Illinois Technical Institute  
Project 1.11  
Office of Naval Research\*

AVCO Corporation  
Research & Advanced Development Division  
Wilmington, MA  
AFSWC, Kirtland AFB, NM  
Project 4778  
AF 29(601)2560  
Project 5776  
AF 29(601)2772

Boeing Aircraft Co.  
Seattle, WA & Wichita, KS  
AF 33(600)34680  
Project 5.1  
WADC\*

Boeing Military Aircraft Co. \*\*  
Wichita, KS  
DNA 001-76-C-0379

Convair Division of General Dynamics Corp..  
San Diego, CA  
AFSWC, Kirtland AFB, NM  
Project 7811  
AF 29(601)2567

Cook Electric  
Chicago, IL  
Project 8.2 & 8.3  
AFCRC

Cooper Development Corp.  
Monrovia, CA  
NIKE ASP firing EPG  
Project 9.1d  
No Contract #, Army

Dayton Ohio University Research Institution  
AF 33(616)5680

Douglas Aircraft Co.  
El Segundo & Long Beach, CA  
Project 5.2  
Navy Bureau of Aeronautics  
Naval Air Space Weapons, Facility (NASWF)\*

F. H. Plesset Associates, Inc. \*\*  
Los Angeles, CA  
DASA

General Electric  
Milwaukee, WI  
Sandia Labs  
No contract #

Isotopes, Inc.

A Teledyne Company  
Project STREAK, 66 & 67  
AEC AT(30-1)-3654

Lockheed Aircraft Corp., Msl Science Division  
Sunnyvale, CA  
for AFSWC  
No contract #

Lockheed Aircraft Corp., MsIs & Space Division  
Sunnyvale, CA  
AF 29(601)2452  
AF 29(601)512  
AF 33(657)15198

MIT-AF

MITRE Corp..  
Lexington, MA  
AF 33(600)37882

Mt Auburn, Research Associates Inc.  
Cambridge, MA  
AF 19(628)2833

North American Aviation, Inc.  
Columbus, OH  
AF (no contract)  
Projects 5.2 & 5.3  
Navy Bureau of Aeronautics & NASWF

Northrop Corp.  
AF 33-(600)-30204, Aircraft Laboratory  
for WADL North American Aviation Inc.  
Columbus, OH  
AF (no contract)

PA State University  
DA 49-146-XZ-033

Rand Corp.  
Santa Monica, CA  
AF 49(638)-500  
AF 49(638)-700

Rand for Advanced Research Projects Agency for AF Academy  
No contract #

Scripps Institute of Oceanography  
Navy

Space Technology Laboratories, Inc. (STL)

Los Angeles, CA  
AF Ballistic Missile Division (AFBMD), Air Research & Dev Cmd  
Inglewood, CA  
No contract #

Stanford Research Institute (SRI)

Navy, and  
Project 6.3 & 6.11  
AF 19(604)3462  
AFSWC, AFSC  
Project 4778  
AF 29(601)2592 &  
AF 29(601)2791

Technical Operations Research

Burlington, VT  
AF 19(604)6140  
DA 49-146-XZ-279

TRW Space Technology Laboratory (STL)

El Segundo, CA  
Project 1.12  
AF Ballistic Missile Division\*

Underwater Research Division

Portsmouth, VA  
Navy

University of Dayton Research Institute (UDRI)

Dayton, OH  
Project 8.6  
AF 33(616)5427

University of Illinois

Champaign - Urbana, IL  
Projects 1.8 & 6.11  
AF\*

University of Washington

Seattle, WA  
Project 1.13  
Office of Naval Research (ONR)  
Navy Hydrographic Office (HO)\*

VISIDYNE, Inc.

Burlington  
AF Geophysics Lab, Hanscom AFB, MA  
F 19628-79-C-0005

Vitro Laboratories

West Orange, NJ  
DA-30-06-ORD-3616

## References

ACF (SRD) HF BACKSCATTER STUDIES OF NUCLEAR WEAPONS TESTS HARDTACK  
SERIES, INTERIM TECHNICAL REPORT (U)  
AFSWC-TR-60-13 (SRD)  
AGC-2871 (C)  
APL-UW-TE-58-42-1ST-ED (SRD)  
ASI-SR-086 (SRD)  
ITR-1653 (C)  
LMSC-B230057 (SFRD)  
NYO-3654-4 (U)  
PLESS-55508 (SRD)  
RAND-S-151-ARPA (SRD)  
STL-TN-60-0000-09013 (SRD)  
VI-480 (SRD)  
WT-1617 (U)  
WT-1636 (SRD)  
ASI Publication #SR-250 (SRD)  
AFSWC TR61-26 (SRD)  
AFSWC TR61-43 (SRD)  
AFSWC TR61-54 (SRD)  
POR-1648 (SRD)  
STL-TN-60-0000-09013 (SRD)  
\*Reference: DNA Report 6038F  
\*\*Non-participant contract



ARGUS

ACF Industries, Inc.  
Electro-Physics Labs  
Hyattsville, MD  
Nonr 4204(00)

General Dynamics  
Convair Division  
San Diego, CA  
DA 49-146-XZ-175

General Electric Co.  
Technical Military Planning Operations  
Santa Barbara, CA  
DA 49-146-XZ-335

Geophysics Corp. of America  
Bedford, MA  
DA 19-020-ORD-5357

Lockheed Aircraft Corp.  
Lockheed Missiles & Space Co. Div.  
Palo Alto, CA  
DA 49-146-XZ-205  
AF -33(657)-15303  
DA 49-146-XZ-204

Mission Research Corp.  
Santa Barbara, CA  
DA HC-60-72-C-0148  
TASK DNA S99QAXHC062 \*\*  
DNA 001-73-C-0138

North American Aviation, Inc.  
Space & Information Systems Div.  
Downey, CA  
DA 36-039-AMC-03729(E)  
DA 36-039-SC-89162

RAND Corp.  
Santa Monica, CA  
AF 49(638)-700

Stanford Research Institute  
Menlo Park, CA  
Project 5054F  
DA 49-146-XZ-313  
Project 4417 VIF  
DA 49-146-XZ-184  
Project 2445  
AF 19(604)-3462  
Project 5585  
AF 33(657)14906

Stanford University  
Palo Alto, CA  
and Stanford Electronics Lab  
and Stanford Research Institute  
Menlo Park, CA  
DA 49-146-XZ-087 &  
DA 49-146-XZ-054

St. Louis University  
DA 49-146-XZ-145

## References

ACF/EPL 5310-1 (S)  
GDC/DBE-69-012 (SRD)  
GE-TEMP-66-TMP-22 (SRD)  
GCA-TR-62-11-A (SRD)  
LAC/LMSC 3-25-64-1 (U)  
LAC/LMSC B038023 (SRD)  
LAC/LMSC 6-74-64-19 (U)  
DASA 1540 (U)  
MRC-R-176 (SRD)  
MRC-R-112 (SRD)  
MRC-R-123 (C)  
NAA/SID 64-143 (U)  
NAA/SID 62-533 (U)  
RAND RM -3750-PR (SRD)  
DASA 1613 (U)  
SRI Project 5054F (SFRD)  
SRI Project 4417F VOF (SFRD)  
SRI Project 2445 (SRD)  
SRI Project 5585 (S)  
DASA 1471-1 (S)  
\*\*Non-participant contract

DOMINIC

AC Spark Plug Co.  
TU 8.1.5, AF Space Systems Division\*

Adcole Corp.  
Project 6.4  
AFCRL\*

Advanced Research Projects Agency, ARPA  
Nuclear Test Detection  
F33657-67-C-1553  
AFTAC

ARPA  
Normally directed by the  
Army Material Command (AMCOM)  
and operated by the Radio Corporation of America

Aerojet General  
Project 6.1  
Army Electronics R&D Activity\*

AERO LAB Development Co.  
Projects 6.2 & 6.3  
BRL\*  
Projects 6.13  
AMC\*

Aerospace Corp., The  
San Bernardino, CA  
for Space & Msl Systems Org., AF Systems CMD  
F04701-70-C-0059

Aerospace Research Assn - AFCRC

Aerospace Research Corp.  
Project 6.8  
AFCRL\*

Allied Research Associates, Inc.  
Concord, MA  
Star Fish, Project 8B  
for AFSWC  
AF 29(601)5150  
King Fish, Project 8B  
DA 49-146-XZ-168

Allied Research Associates, Inc.  
Boston, MA  
DA-49-146-XZ-168

American Science & Engineering, Inc.

Cambridge, MA  
DA 49-146-XZ-136  
Projects 6.4, 6.10, & 8A.1  
AFCRL\*  
Project 8A.3  
DASA contract DA 49-146-XZ-136 for  
Flight Dynamics Laboratory  
Wright Patterson AFB

American Science & Engineering, Inc.

Cambridge, MA  
AF (604)6137  
AF 19(628)4385

Aracon Labs

Project 8B  
Allied Research Associates\*

Armour Research Foundation (Changes to IITRI during DOMINIC)

Project 6.5B\*

Atlantic Research Corp.

Projects 6.2 & 6.3  
BRL\*  
Project 6.13  
Army Missile Command (AMC)\*

AVCO Corp.

Project 8C  
AFSWC\*

Barnes Engineering Co.

Stamford, CT  
Project 6.13  
ARPA, RCA  
Army Missile Command

Battelle Memorial Institution

Columbus, OH  
for Advanced Research Projects Agency (ARPA), Pentagon, 2B260  
ARPA Order 197, Cmt SD-80

Bell and Howell

Project 6.4  
AFCRL\*

Bell Telephone Laboratories, Inc., NY

for Army Missile Command  
Project 8.1.7  
DA 30-069-ORD-3444

Boeing Corp.  
Seattle, WA  
AF 29(601)-6009, AFWL, Kirtland AFB  
Project 7.4  
AFASD

Boeing Co., The  
Seattle, WA  
Project 6.1  
DA 49-146-XZ-120 for POR

Cambridge Research Laboratory (CRL)  
AF

Collins Radio Co.  
Project 7.4  
AFASD

Columbia University  
School of Engineering  
NY, NY  
AF 49(638)1113

Comstock Wescott  
Project 6.4  
AFCRL\*

Control Equipment Corp.  
Bedford, MA  
Projects 6.4, 6.5a, 6.8, 9.1a  
AFCRL\*

Cook Electric Co.  
Morton Grove, IL (Cook Technological Center)  
AF 33(657)8438 for Aeronautical Systems Division Nuclear Weapon  
Test Unit, AF System Command  
Project 8A.1  
AF 19(628)348

Cubic Corp.  
San Diego, CA  
Project 9.6  
DA 49-146-XZ-134

David Taylor Model Basin  
Navy

Denver University, Denver Research Institute  
AF 33(657)9549

Douglas Aircraft  
AMC, DA30-069-ORO-3444

Electro-Mechanics Co.  
Project 6.5a  
AFCRL\*

Electronic Defense Laboratories

Mountain View, CA

a Sylvania Electric Products, Inc. Company

US Army Signal Corps contract

Electro-Optical Systems, Inc.

Pasadena, CA

DA-49-146-XZ-123

Projects 6.2, 6.3

DA 49-146-XZ-201 (BRL)

Electronic Communications, Inc.

Project 7.4

AF Aeronautical Systems Division (ASD)\*

Federal Services Inc - AEC

GE Co.

Syracuse, NY

Navy

NONR-3976(00)

Project 6.8

SRI, (AFCRL)\*

GE Co., Technical Military Planning Operation

Santa Barbara, CA

DASA

GE DASIAAC \*\*

Santa Barbara, CA

DNA

General Dynamics

Ft Worth, TX

(Army) DA 23-072-ORD-1748

Geophysics Corp. of America

Bedford, NH

DA 49-146-XZ-269

Projects 6.6, assisted 6.2, 6.3

BRL\*

Geotechnical Corp., The

Garland, TX

Project 8.4 for AFTAC (Technical Applications Center) no contract #

G.T. Schjeldahl Co.

Project 7.3\*

Hughes Aircraft Co.

Fullerton, CA

DASA for POR Project 6.3 No contract #

Hughes Aircraft Co., Ground Systems Group  
Camp Fullerton, CA  
(Navy) NONR 3633-(00)

IITRI - DASA

Isoptopes Inc.  
Westwood, NJ for AEC  
AT(30-1)3055

KAMAN Nuclear a Division of KAMAN Aircraft Corp.  
Colorado Springs, CO  
Navy Ordnance Laboratory  
N60921-7017

Kaman Sciences Corp.  
Colorado Springs, CO  
DASA

KG Lambert  
Field Test of EMP data collection system  
AF 33(657)-15198

Lear- Siegler - AF

Lincoln Laboratory  
Ballistic Missile Reentry Systems  
Lexington, MA  
Project 7.2a  
AF 19(628)-500

Lockheed Palo Alto Research Laboratory, Lockheed Msl & Space Co.,  
Lockheed Aircraft Corp.  
Sunnyvale, CA, for AFTAC  
F33657-67-C-1553  
Project 6.5a  
AFCRL\*

Matrix R&D  
Nashau, MA  
Project 6.4  
AFCRL\*

MHD Research, Inc.  
Newport Beach, CA  
for AFSWC  
AF 29(601)-5202 and  
AEC ANG-25 (through University of CA LRL) Project 6.11 & POR

Mission Research Corp. \*\*  
Santa Barbara, CA  
DNA 001-75-C-0142  
DNA 001-74-C-0032  
DNA 001-75-C-0054



MIT, Cambridge Lincoln Laboratory  
AF 19(628)-500

MITRE Corp.  
AF 33(600)39852  
Project 7.4  
AFASD\*

Mt Auburn Research Associates, Inc.  
Cambridge, MA  
AF 19(628)2833

National Cash Register Co.  
Dayton, OH  
AF 33(657)8395

New Mexico State University Physical Science Lab  
Project 6.1  
AMC\*

Northrop Ventura  
Project 9.4b  
AFSWC\*

Nuclear Research Associates  
Projects 6.5a  
AFCRL\*

Nuclear Science Group, Northrop Corp., Ventura Division  
Newbury Park, CA  
DASA POR cont Project 2.17

Ocean Science & Engineering, Inc.  
Wash, DC  
JTF8 for Project JTF 8.3

Omnitech, Inc.  
Project 4.2  
Naval Air Development Center (NADC)

Phosonics, Inc.  
Project 8A.2  
EG&G\*

Polytechnic Engineering Corp.  
Project 6.5a  
AFCRL\*

Radiation Research Associates, Inc.  
Ft Worth, TX  
for  
Office of Civil Defense  
Office of Secretary of the Army  
Wash, DC 20310  
DA-23-072-AMC-332(X)

Radio Corp. of America, Def. Elec. Products Msl. & Surface Radar Div.,  
Morristown, NJ  
for Army Msl. Cmd., Redstone  
DA-36-034-AMC-07132

Radio Corp. of America (RCA), Msl & Surface Radio Division  
Morristown, NJ  
Project 6.13  
No Contract #, AMC

Rand Corp., The  
Santa Monica, CA  
for Advanced Research Projects Agency for ODDR&E  
No contract #

Riverside Research Institute \*\*  
NY, NY  
DNA 001-72-C-0181

Scripps Institution of Oceanography, University of CA,  
La Jolla, for AEC  
AEC(11-1) Gen-ID

Space General Corp.  
El Monte, CA  
AF 19(626)-18

Space Sciences, Inc.  
Project 6.5a  
AFCRL\*

Space Technology Laboratories, Inc.  
Redondo Beach, CA  
AF 04(694)-3

Stanford Research Institute (SRI)  
Menlo Park, CA  
AF 73(657)12514  
Project 4627 & AF 19(604) 5465 for AFCRL\*  
Project 6.9 assisted 6.11, 6.8, 7.4, AFASD\*  
USAF F33657-69-C-0618  
Most other projects DASA

Sylvania Electrical Products Division  
Electronic Defense Laboratories  
Mountain View, CA  
DASA

Technical Operations, Inc.  
Project 8A.2  
AFCRL\*

Technical Operations Research  
Burlington, VT  
AF 19(628)-2923  
(Sunbeam only DASA DA 49-146-XZ-279)

Tektronics - EG&G

TIC-Tech International Corp. \*\*  
Bedford, NH  
DNA 001-72-C-0133

Tracer Laboratory, Division of Laboratory for Electronics, Inc., of  
Western Division Laboratories  
Richmond, CA, for AEC  
AT(04-3)-453

United Electro Dynamics, Inc.  
Pasadena, CA  
Project 9.5 for  
AEC AT (29-2)-977 & POR

University of Utah  
Projects 6.4, 9.1, AFCRL\*

URS Corporation  
Burlingame, CA  
Office of Civil Defense  
Dept. of the Army  
Contract # OCD-PS-64-19  
Subtask 3312B

Varian Associates  
Project 6.7  
AFSWC\*

Wentworth Institution  
Project 6.4 & 9.1  
AFCRL\*

Western Electric, Inc.  
AMC, DA-30-069-ORD-3444

Western Union Telegraph Co., NY, NY, for AFOAC, Dir. of  
Telecommunications  
Project 7.14 & POR  
USAF

Zimney Corporation  
Project 6.4  
AFCRL\*

## References

AFWF-TDR-64-51 (SRD)  
AS-TDR-0059-(S6860)-10-2 (SRD)  
ASD-TOR-62-823 (S)  
BAT-197-6-10 (SRD)  
BTL-WSPG-10192 (SRD)  
DTMB-C-1395 (SRD)  
BDL-N410 (SRD)  
GEOTECH-TR-63-22 (CFRD)  
JTF-8-C2 (C)  
KN-677-62-3 (SRD)  
LMSC-B230057 (SFRD)  
MOBBS-3444 (SRD)  
NYO-10533 (U)  
POR-2016 (SRD)  
POR-2017-1 (U)  
POR-2038 (SRD)  
POR-2042 (U)  
POR-2206 (U)  
POR-2226 (SRD)  
POR-2228 (SRD)  
POR-2032 (SRD)  
POR-2034 (SRD)  
POR-2235 (SRD)  
POR-2037, VI (SRD)  
POR-2038 (SRD)  
POR-2042 (U)  
POR-2250 (CFRD)  
POR-2051 (SFRD)  
POR-2052 (SRD)  
POR-2268 (SRD)  
RAND-RM-3417-ARPA (SRD)  
RRA-T55 (U)  
SGC (C) EFFECTS OF BLUEGILL AND CHECKMATE ON LOW FREQUENCY  
PROPAGATION (U)  
SRI-7728-FR (C)  
TLW-5235-P-2 (SRD)  
URS 639-4 (U)  
VUP-2500 (U)  
WT-2058 (SFRD)  
\*Reference: DNA Report 6040F  
\*\*Non-participant contract

SECTION II  
UNDERGROUND NUCLEAR TEST CONTRACTORS

GNOME (1961)

Allied Research Associates, Inc.

Concord, MA  
Project 7.14  
AF 49(638)-1101

AVCO Manufacturing Corp.

Research & Development Division  
Wilmington, MA  
AF 29(601)-5994

General Dynamics Corp.

General Atomic Division  
San Diego, CA  
AF 04(694)-671

Geotechnical Corp.

Project 8.4  
AFTAC \*

S-Cubed

La Jolla, CA  
F08606-79-C-0008

Space General Corp.

Project 6.4  
AFTAC \*

Space Technology Labs

(also known as TRW Space Technology Labs)  
Redondo Beach, CA  
DA-49-146-XZ-231

Stanford Research Institute

Menlo Park, CA  
AT (04-3)-115  
SRI Project PHU 4379 S11bs  
AF 49(638)-1225  
Project 7.5 & 7.6  
AF 49(638)-1053

Texas Instruments, Inc.

Dallas, TX  
Project 7.8  
AF 49(638)-1083  
AF 33(657)-10336

### References

AF 1101 Final (U)  
AFWL-TDR-64-99 (SRD)  
GA 6339 (SRD)  
STL 8498-6001-RL000 (CFRD)  
PNE 109F (U)  
PNE 111F (U)  
TII VU (SRD)  
SSS-R-82-5673 (U)  
\*Reference: DNA Report 6029F

HARDHAT (1962)

Aerospace Corp.

Weapon Systems Division  
San Bernardino, CA  
Under contract to TRW, Space Technology Labs.  
AF 04(645)469  
Ballistic Systems Division  
Norton AFB  
(Ralph M. Parsons major subcontractor)

Allied Research Associates, Inc.

Concord, MA (And MIT)  
AF 49(638)-1101

Applied Theory, Inc.

F04701-68-C-0192

AVCO Manufacturing Corp.

Research & Advance Development Div.  
Wilmington, MA  
AF 29(601)5994

Boeing Co.

Seattle, WA  
AF F04694--67-C-0084

General Dynamics Corp.

General Atomic Division  
San Diego, CA  
AF 04(694)671

General Electric Co.

Santa Barbara, CA  
DASA 01-70-C-0035

Gulf General Atomic, Inc.

San Diego, CA  
DA 49-146-XZ-462

Illinois University

Department of Civil Engineering  
Urbana, IL  
Project 1080  
AF 29(601)4993 &  
AF 29(601)2151  
TASK SC061  
DA 49-146-XZ-218

J.L. Merritt \*\*  
Consulting & Special Engineering Svcs., Inc.  
Redlands, CA  
DNA-001-72-C-0172  
DNA-001-76-C-0069

Newark, Hansen & Associates  
Urbana, IL  
DA 49-146-XZ-180

Shock Hydrodynamics, Inc.  
Sherman Oaks, CA  
AF F04701-68-C-0196  
TASK SB047  
DASA 01-68-C-0044

Stanford Research Institute  
Menlo Park, CA  
Project 7.6  
AF 49(638)-1053  
Project 3.2  
DASA

Systems Science Software  
La Jolla, CA  
TASK ZL 438  
DASA 01-69-C-0159

Texas Instruments, Inc.  
Dallas, TX  
Project Vela T/1156/S/OSR  
AF 49-(638)-1083 &  
AF 33-(657)-10366

TRW Space Technologies Labs, Inc.  
Redondo Beach, CA  
DA 49-146-XZ-231

United ElectroDynamics, Inc.  
Pasadena, CA  
Project 9.5  
AEC AT(29-2)-977



## References

ARA AF 1101 Final (U)  
AFWL-TDR-64-99 Vol. II (SRD)  
D2-121409-1 (S)  
GA 6339 (SRD)  
DASA-2033 (U)  
GA-GAMD-8592 (SRD)  
RTD TDR 63-3041 Vol. II (S)  
CASES-71-009-T1 (C)  
DASA 1399 (U)  
SHI-6190-F (U)  
DASA-2678-P-1-2-3 (U)  
STL 8498-6001-RL000 (CFRD)  
POR 1802 (SRD)  
VUP-067 (CFRD)  
S-3SR-1071 (U)  
TII Project VV, Vol. 1-5 (SRD)  
VUF 2500 (U)  
SGC (C) EFFECTS OF BLUEGILL AND CHECKMATE ON LOW FREQUENCY  
PROPAGATION (U)  
SRI-7728-FR (C)  
SRI POR 1802 (S)  
URS639-4 (U)  
TOR-469(S5923-40)-1 (S)  
AT1-AJA-R-6819-776-3 (S)  
\*\*Non-participant contract

DANNY BOY (1962)

American Machine & Foundry Co.  
Mechanics Research Division  
Niles, IL  
DA 49-146-XZ-073

Armour Research Foundation  
Illinois Institute of Technology  
Chicago, IL  
Project 1.5  
DA 49-146-XZ-097

Boeing Co.  
Seattle, WA  
Project 1080  
AF 29(601)6270

Environmental Research Corp.  
Alexandria, VA  
AEC AT(29-2)1163

Illinois Institute of Technology  
Armour Research Foundation  
Chicago, IL  
DA 49-146-XZ-097

KAMAN Nuclear  
Colorado Springs, CO  
TASK NWER 01.024  
DA 18-001-AMC-1047 (X)

Stanford Research Institute  
Menlo Park, CA  
Project 7.5  
AF Technical Applications Center (AFTAC)  
No Contract #

### References

AMF MR 1184 (SFRD)  
WL TR 64-111 (SRD)  
PNE 958 (U)  
PNE 522 (U)  
ARF PROP 63-531K (CFRD)  
KN AMC 67-31 (U)  
POR 1814 (U)  
POR 1823 (CFRD)

MARSHMALLOW (1962)

Aeronutronic

Division of Ford Motor Co.  
Newport Beach, CA  
Project 5776  
AF 29-(601)-5089  
Project 7811  
AF 29-(601)-1199

Allied Research Associates, Inc.

Boston, MA  
DA 49-146-XZ-168  
AF 49(638)1101  
Project 7811  
AF 29(601)2293

Allied Research Associates, Inc.

Concord, MA  
DA 49-146-XZ-168

AVCO Corp.

Wilmington, MA  
Project 5776  
AF 29(601)4526  
AF 04(647)-305

General Atomic Division

General Dynamics Corp.  
San Diego, CA  
Project 7200  
AF 29(601)4759  
AF 29(601)2207

Lockheed Aircraft Corp. (LAC)

Missiles & Space Division (LMSD)  
Sunnyvale, CA  
Project DASA 812 & 838  
AF 29(601)2336  
LAC/LMSD contracts during Marshmallow  
18 AF  
2 Army  
2 Navy  
8 AEC

Lockheed Missile & Space Co.

Palo Alto, CA  
Navy NOW 63-0050-C

McAllister & Associates, Inc.

Albuquerque, NM  
Project 5776  
AF 29-(601)4924

Moleculon Research Corp.  
Cambridge, MA  
AFWL no contract #

Philco Corp.  
Aeronutronic Division  
Newport Beach, CA  
Project 5776  
AF 29(601)-4502

Plesset (E.N.) Associates, Inc.  
Santa Monica, CA  
Project 5710  
AF 29(601)6383  
Project 824.2  
DA 49-146-XZ-125

Stanford Research Institute  
Menlo Park, CA  
AEC AT(04-3)-115  
DA 49-146-XZ-111

## References

SWC-TDR 62-112 (SRD)  
ARA-T-9205,04-13 (SRD)  
SWC TR 60-49(I) (SRD)  
RTD TDR 63-3083 (SRD)  
RAD-TR 62-35 (S)  
GA-GACD-CASABA SATSR-1 (SRD)  
GA 2863 (SRD)  
LAC/LMSC A034197 (C)  
SWCTR 60-36 Vol I (SRD)  
AFWL-TR65-86 (S)  
RTD TDR 63-3017 (S)  
WL TR 65-108 (SRD)  
SRI PU-3139 TR3 (S)  
SWC TDR 62-152 (SRD)  
ARA-F-205.05-12 (SRD)  
SRI Proj: PHU-3917F (SRD)

SEDAN (1962)

Boeing Co.

Seattle, WA  
Project 1030  
AF 29(601)-6270  
AF 29(601)-6009

Environmental Research Corp.

Alexandria, VA  
AT (29-2)-1163

Illinois Institute of Technology

Research Institute  
Chicago, IL  
DA 49-146-XZ-097

Isotopes, Inc.

Westwood, NJ  
AT (30-1)-3055

Pacific Sierra Research Corp. \*\*

Santa Monica, CA  
DNA-001-76-C-0078

Plesset (E.H.) Associates, Inc.

Los Angeles, CA  
Sponsored by Advanced Research Projects Agency (ARPA)  
under contract #SD234

Stanford Research Institute

Menlo Park, CA  
DA HC20-69-C-0181  
DA HC20-70-C-0394

TRW Space Technology Labs, Inc.

Redondo Beach, CA  
Project 1.7  
DA-20-044-XZ-846

### References

WL-TR-64-111 (SRD)  
WL-TDR-64-51 (SRD)  
PNE-958 (U)  
NVO-11-63-138 (U)  
IITRI-8231-F (S)  
NYO 10533 (U)  
PSR 815 V1 & V2 (U)  
Pless C68-64 (S)-6 (C)  
SRI-EGU-7968-FR (U)  
SRI-EGU-8644 (U)  
VUF 2402 (U)  
\*\*Non-participant contract



MUDPACK (1964)

Systems, Science and Software  
La Jolla, CA  
AF F08606-79-C-0008

References

SSSR-80-4216 (U)

WISHBONE (1965)

Agbabian - Jacobsen Associates

Los Angeles, CA

Space & Missile Systems Organization (SAMSO)

AFSC F04701-68-C-0192

Applied Theory, Inc. (ATI)

Los Angeles, CA

Space & Missile Systems Organization

AFSC F04701-68-C-0192

Boeing Company, The

Seattle, WA

Project 9.9

AEC - ?

General Electric Co.

Missile & Space Div.

Philadelphia, PA

Project 2.3

AFWL no contract #

International Business Machine Corp.

Federal Systems Div.

Owega, NY

Project 5710

AF 29(601)6489

Kaman Tempo \*\*

Santa Barbara, CA

DNA 001-80-C-0098

Naval Electronics Lab Center

San Diego, CA

DASA MIPR 71-555

Naval Ocean Systems Center \*\*

San Diego, CA

DNA MIPR 82-608

DNA MIPR 81-504

## References

POR 2702-V-2 (SRD)  
WL TR 65-101 Vol I & II (U)  
KA 81-021-R-V-3 (SRD)  
NOSC-TR-724 (SRD)  
NOSC-TR-851 (SRD)  
NOSC-TR-816 (SRD)  
NOSC-TR-697 (SRD)  
NELC IR 713 (SRD)  
POR 2710 (C)  
SAMSO TR-70-88 Vol III (S)  
\*\*Non-participant contract

GUMDROP (1965)

Aerospace Corp.

San Bernardino, CA

AF 04(695)-669

POR 6002

AFWL

Summary of Test Results

AF 04(695)-1001

AVCO

Space Systems Div.

Lowell, MA

AF F29(601)-67-C-0033

General Dynamics Corp.

General Atomic Division

San Diego, CA

DA 49-146-XZ-462

TASK 15.014

AF 29(601)-6431

General Electric Co.

Missile & Space Div.

Philadelphia, PA

AF 04(694)-921

Gulf General Atomic, Inc.

San Diego, CA

DA 49-146-XZ-462

Kaman Aircraft Corp.

Kaman Nuclear Div.

Colorado Springs, CO

Susceptibility of Polaris reentry System to Counter Measures

Navy N0sp 64021

Kaman Nuclear

Colorado Springs, CO

DASA no contract #

Lockheed Missile & Space Co.

Sunnyvale, CA

Project 9.1

DA 49-146-XZ-344

Project 9.11

DA 49-146-XZ-364

DA 49-146-XZ-492

Moleculon Research Corp.  
Cambridge, MA  
Project 5710  
AF 29-(601)-6752

Plesset (E.H.) Associates, Inc.  
Los Angeles, CA  
AF 29(601)-6383

Stanford Research Institute  
Menlo Park, CA  
AF 29(601)-6681

Systems, Science & Software  
La Jolla, CA  
TASK AA106  
DASA 01-68-C-0072

## References

TOR-669 (SRD)  
AS-TOR-1001 (SRD)  
AVCO AVSSD-004-68-CR(SRD)  
GA 7386 Draft (SRD)  
GE 68SD708 (SRD)  
GA 7760-V-1 (SRD)  
KN 64-304 (R)  
KN 655-65-8 (SRD)  
KN 692-65-28-(APR)(SRD)  
LAC/LMSC 664652 (SRD)  
LMSC-B200123 (SRD)  
LMSC-B093 839 (SRD)  
POR 6006 (SRD)  
AFWL TR 65-108 (SRD)  
WL TR 65-137 (SRD)  
WL TR-66-97 (SRD)  
AFWL TR 65-170 (U)  
S-3-SCR-55 (SRD)

DILUTED WATERS (1965)

Aerospace Corp.  
San Bernadino, CA  
AF 04(695)-669

AVCO Corp.  
Missile Systems Division  
Wilmington, MA  
Project 8.52  
AF 04(694) 297  
Project 2.3  
DASA no contract #

Bell Telephone  
Greensboro, NC  
Project 2.8  
DASA no contract #

General Electric Co.  
DASA Information & Analysis Co.  
Santa Barbara, CA  
TASK NWER-RHA-5008  
DASA 01-68-C-0007  
TASK NWER-07-008  
DA-49-146-XZ-282

General Electric Co.  
Reentry Systems Division  
Philadelphia, PA  
Project 2.14  
DASA no contract #

Hughes Aircraft Co.  
Fullerton, CA  
Project 2.2  
NAVY - no contract #

Mission Research Corp. \*\*  
Santa Barbara, CA  
TASK S99QAXHB053  
DNA 001-79-C-0029  
TASK 094QAXHB053  
DNA 001-80-C-0022  
TASK 099QAXCD401 & 094QAHB503  
DNA 001-80-C-0152 & 001-80-C-0022

Northrop Corp.  
Worked with Nortronics  
Nortronics Applied  
Research Department  
Newbury Park, CA  
Project 2.13  
DA BRL ?



## References

TOR-669 (SRD)  
POR 6210 (SRD)  
GE DASIAC B68-2 (SRD)  
GE DASIAC Bib.-66-3 (SRD)  
MRC-R-428 (SRD)  
MRC-R-643 (S)  
MRC-R-622 (S)  
POR 5002 (SRD)  
POR 5003 (SRD)  
POR 5007 (SRD)  
POR 5013 (SRD)  
POIR 5012 (SRD)  
\*\*Non-participant contract

TINY TOT (1965)

IIT Research Institute  
Chicago, IL  
Project 1.3b  
DA-49-146-XZ-352

Kaman Nuclear  
Colorado Springs, CO  
Project 1.4  
DA-23-072-AMC-293 (X)

Physics International Co.  
San Leandro, CA  
DA-49-146-XZ-452

R&D Associates \*\*  
Santa Monica, CA  
DNA 001-72-C-0197

Stanford Research Institute (SRI)  
Menlo Park, CA  
DA-49-146-XZ-280

Systems, Science & Software  
La Jolla, CA  
DASA 01-71-C-0008

Underground Physics Group  
Stanford Research Institute  
Menlo Park, CA  
Project 1.2 & 1.3a  
DA 49-146-XZ-345

## References

POR 3017 (CFRD)  
KN-697-64-5 (R) (SRD)  
PINT-PIFR-036-V-2 (CRD)  
RDA-TR-128 DNA (SRD)  
SR1-GSU-4832 (U)  
S-3-SCR-788 (SRD) (CNWDI)  
POR 3016 (SRD)  
\*\*Non-participant contract

Miscellaneous (1961-1964)

American Science & Engineering, Inc. (ASE)

Cambridge 42, MA

DASA Prog. 800 contracted by AFSWC, Kirtland AFB, NM

AVCO Corp.

Research & Advanced Development Division

Wilmington, MA

ARPA ORDER 6, TASK 22

AF 29(601)-4525

Development of Bethe Theory

AF 29(601)-4772

Ford Motor Company

Aeronutronic Division

Newport Beach, CA

Project 4778

AF 29(601)4541

General Dynamics Corp.

General Atomic Division

San Diego, CA

AFWL

Project 8812

AF 29(601)5685

Hughes Aircraft Co.

Fullerton, CA

AFWL

Project 5776

AF 29(601)5816 (was a continuation of AF 29(601)2538) &

AF 29(601)4743

International Business Machine Corp.

Radiation Effects Staff of IBM Space Guidance Center

Owego, NY

AFWL

Project 5776, Task 577602

AF 29(601)5399

McAllister and Associates

Albuquerque, NM

AFSWC, Kirtland AFB, NM

Project 5776, Task 577601

AF 29(601)4924

Philco Corp.

Aeronautronic Division

Newport Beach, CA

Project 4778 (ARPA Order 6, task 22)

AFSWC, Kirtland AFB, NM

AF 29(601)4545

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AFSWC TDR-62-114 (U)  
AFSWC TDR-62-151 (SRD)  
AFSWC TDR-62-114 (U)  
AFSWC TRD-62-151 (SRD)  
ASE-178-1 (SRD)  
AFWL-TR-63-3110 (U)  
AFWL-TR-63-3051 (U)  
AFWL-TR-64-41 (U)  
AFSWC TR-61-54 (SRD)  
AFSWC TDR 62-86 (SRD)  
AFSWC TDR 62-92 (SRD)  
AFWL TDR-64-51 (SRD)

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